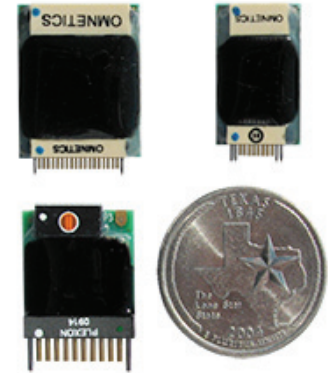


## Headstages

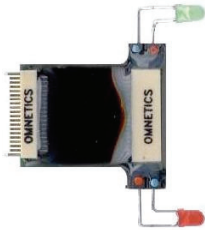
Plexon offers a variety of headstages for various acute or chronic research needs that are suitable for both large and small animals. Headstages are available for either high- or low-impedance electrodes, in 0.050" or 0.025" pitch, and are available in various pin and channel counts. Additionally, several headstages can be modified to include latching mechanisms for a more secure connection, or light emitting diodes (LEDs) to track movement.



### LED Option

Most Plexon headstages can be equipped with up to two mounted LEDs for use in behavioral analysis research with systems such as Plexon's CinePlex™ System. LEDs are available in three colors: blue, green and red. One of each color is provided with the headstage when the LED option is purchased.

*The headstage shown is a 0.025" pitch, 32 channel headstage with 2 LEDs for high-impedance electrodes.*



### Latching Option

More active animals may require an especially secure connection between the mating connector and the headstage's insertion pins. Plexon's 0.050" pitch, 8 channel headstages are available with a special clipping (latching) mechanism that delivers this additional security.

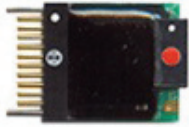

*The headstage shown is a 0.050" pitch, 8 channel headstage for high-impedance electrodes with the latching option.*



## Technical Specifications

Please note that product images below are not to scale relative to either actual size or to each other.



### 0.050" Pitch Headstages for HIGH Impedance Electrodes

Pitch Channels Pins	Headstage	Gain, Dimensions* and Weight**	LED and Latch Compatibility	Notes
<b>A</b> 0.050" 8 channels 10 data pins 2 guide pins	 Grounded or true reference HST/8o50-Gx-xR	1x gain inches: 0.74L x 0.63W x 0.078D mm: 18.8L x 16.0W x 2.0D ounces: 0.036 grams: 1.02	LED: Yes Latch: Yes	This headstage is also available in stacked 16 and 32 channel configurations.  For chronic or acute use.
<b>B</b> 0.050" 8 channels 10 data pins 2 guide pins Latching	 Grounded or true reference HST/8o50-Gx-xR-Lxx	1x gain Specs are the same as for the headstage above (HST/8o50-Gx-xR), except that the latch increases the width by 0.10" (2.5mm).  No change to the weight.	LED: Yes Latch: Yes	This headstage also available in stacked 16 and 32 channel configurations.  Latch can be attached to either side of the headstage.  For chronic or acute use.

## 0.050" Pitch Headstages for HIGH Impedance Electrodes

Pitch Channels Pins	Headstage	Gain, Dimensions* and Weight**	LED and Latch Compatibility	Notes
<b>C</b> 0.025" 8 channels 9 data pins 2 guide pins	 Grounded reference only HST/8o25-9P-xR	1x gain inches: 0.76L x 0.46W x 0.07D mm: 19.3L x 11.7W x 1.8D ounces: 0.017 grams: 0.47	LED: Yes Latch: No	For chronic or acute use.
<b>D</b> 0.025" 8 channels 10 data pins 2 guide pins	 Grounded or true reference HST/8o25-10P-xR	1x gain inches: 0.76L x 0.46W x 0.07D mm: 19.3L x 11.7W x 1.8D ounces: 0.017 grams: 0.48	LED: Yes Latch: No	For chronic or acute use.
<b>E</b> 0.025" 16 channels 18 data pins 2 guide pins	 Grounded or true reference HST/16o25-18P-xR	1x gain inches: 0.91L x 0.58W x 0.084D mm: 23.1L x 14.7W x 2.1D ounces: 0.025 grams: 0.72	LED: Yes Latch: No	For chronic or acute use.
<b>F</b> 0.025" 32 channels 36 data pins 4 guide pins	 Grounded or true reference HST/32o25-36P-xR	1x gain inches: 1.42L x 0.73W x 0.09D mm: 36.1L x 18.5W x 2.3D ounces: 0.065 grams: 1.84	LED: Yes Latch: No	For chronic or acute use.
<b>G</b> 0.025" 32 channels 36 data pins 4 guide pins	 Grounded or true reference HST/32o25-G1-xR	1x gain inches: 0.85L x 0.56W x 0.10D mm: 21.5L x 14.25W x 2.5D ounces: 0.035 grams: 1.0	LED: Yes Latch: No	For chronic or acute use.

## Headstages (continued)

VLSI 0.025" Pitch Headstages for HIGH Impedance Electrodes				
Pitch Channels Pins	Headstage	Gain, Dimensions* and Weight**	LED and Latch Compatibility	Notes
<b>H</b> 0.025" 16 channels 18 data pins 6 guide pins	 Grounded reference only HST/16V-G20	20x gain inches: 0.81L x 0.38W x 0.15D mm: 20.6L x 9.7W x 3.8D ounces: 0.036 grams: 1.03	LED: Yes Latch: No	For chronic or acute use
<b>J</b> 0.025" 32 channels 36 data pins 4 guide pins	 Grounded reference only HST/32V-G20	20x gain inches: 0.85L x 0.59W x 0.15D mm: 21.6L x 15.0W x 3.8D ounces: 0.061 grams: 1.73	LED: Yes Latch: No	For chronic or acute use

EMG Headstages for LOW Impedance Electrodes				
Pitch Channels Pins	Headstage	Gain, Dimensions* and Weight**	LED and Latch Compatibility	Notes
<b>K</b> 0.050" pitch 4 channels 10 data pins 2 guide pins	 Grounded reference only HST/4EMG-8o50-G20	20x gain inches: 1.50L x 0.63W x 0.118D mm: 38.1L x 16.0W x 3.0D ounces: 0.087 grams: 2.47  If including latching option, latch increases the width by 0.10" (2.5mm). No change to the weight.  HST/4EMG-8o50-G20-Lxx	LED: No Latch: Yes	Latch can be attached to either side of the headstage  For chronic or acute use.
<b>L</b> 12 channels 26 pins	 Grounded reference only HST/12EMG-26H-G20	20x gain inches: 1.20L x 1.14W x 0.20D mm: 30.5L x 29.0W x 6.0D ounces: 0.205 grams: 5.80	LED: No Latch: Yes	Latching mechanisms are affixed on both sides of connectors.  For chronic or acute use.

\*Product dimensions: headstage lengths include the longest pin; the addition of either a latch and/or LEDs can increase the dimensions listed below slightly.

\*\*Product weights: headstage weights may vary ever so slightly due to the hand crafted nature of the products; the addition of either a latch and/or LEDs can also impact the weights listed below slightly.